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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/823,379	04/13/2004	Carl E. Whitcomb	WHIT/0019.A	3362

24945 7590 03/04/2005

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EXAMINER

NGUYEN, SON T

ART UNIT PAPER NUMBER

3643

DATE MAILED: 03/04/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

10/823,379

**Applicant(s)**

WHITCOMB, CARL E.

**Examiner**

Son T. Nguyen

**Art Unit**

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 13 April 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-64 is/are pending in the application.
- 4a) Of the above claim(s) 25,30,39,42-59 and 64 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-24,26-29,31-38,40,41 and 60-63 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 13 April 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>11/22/04</u> . | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

***Election/Restrictions***

1. This application contains claims directed to the following patentably distinct species of the claimed invention:

Species I: as shown in figs. 1A-C.

Species II: as shown in figs. 2A-E.

Species III: as shown in figs. 3,4.

Species IV: as shown in fig. 5.

Species V: as shown in figs. 6A-B.

Species VI: as shown in fig. 7.

Species VII: as shown in fig. 8.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, there are generic claims.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims

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are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

2. During a telephone conversation with Jeff Streets on 1/27/05 a provisional election was made without traverse to prosecute the invention of species II, claims 1-24,26-29,31-38,40-41,60-63. Affirmation of this election must be made by applicant in replying to this Office action. Claims 25,30,39,42-59,64 have been withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. **Claims 1-4,9-11,13,14,26-28,31,35,60,62,63** are rejected under 35 U.S.C. 103(a) as being unpatentable over Single (GB 2350272A) in view of Waterer (US 603492).

For claim 1, Single teaches a plant container, comprising: a sidewall 5 having a plurality of shoulders 26; and a base 18,27 supported on the shoulders, the base having an upwardly facing surface. However, Single lacks the base having a plurality of radially directed channels. Waterer teaches a plant container having a base 21 with radially directed channels 22. It would have been obvious to one having ordinary skill in the art at the time the invention was made to employ radially directed channels as taught by Waterer on the base of Single in order to permit water to flow from the central area (page 1, lines 95-100 of Waterer).

For claim 2, Single as modified by Waterer (emphasis on Single) further teaches wherein the sidewall and the base are separable.

For claim 3, Single as modified by Waterer (emphasis on Single) further teaches wherein the sidewall is a flexible panel that is bent and fastened in a closed curvilinear shape (see figs. 1 & 2 of Single).

For claim 4, Single as modified by Waterer (emphasis on Single) further teaches wherein fastening the panel around the base constrains displacement of the base.

For claim 9, Single as modified by Waterer (emphasis on Single) further teaches wherein the upwardly facing surface has a center and a perimeter. However, Single as modified by Waterer (emphasis on Single) lacks wherein the channels extend over more than half the distance between the center and the perimeter. In addition to the above, Waterer teaches the channels extend over more than half the distance between the center and the perimeter. It would have been obvious to one having ordinary skill in the art at the time the invention was made to have the channels extend over more than half

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the distance between the center and the perimeter as further taught by Waterer on the base of Single as modified by Waterer in order to provide adequate water flow guide away from the center.

For claim 10, Single as modified by Waterer (emphasis on Single) further teaches wherein the plurality of shoulders are inwardly extending, outwardly extending, or combinations thereof.

For claim 11, Single as modified by Waterer (emphasis on Single) further teaches wherein the base has a generally circular perimeter.

For claim 13, Single as modified by Waterer (emphasis on Single) further teaches wherein the plurality of shoulders are provided by a plurality of protuberances.

For claim 14, Single as modified by Waterer (emphasis on Single) further teaches wherein the plurality of protuberances have a proximal opening 7 in communication with a distal opening 7.

For claims 26-28, Single as modified by Waterer lacks the channels being between 0.1 and 1 inches tall, between 0.15 and 0.75 inches tall, or between 0.25 and 0.5 inches tall. It would have been obvious to one having ordinary skill in the art at the time the invention was made to have the channels of Single as modified by Waterer be between 0.1 and 1 inches tall, between 0.15 and 0.75 inches tall, or between 0.25 and 0.5 inches tall, since it has been held that where routine testing and general experimental conditions are present, discovering the optimum or workable ranges until the desired effect is achieved involves only routine skill in the art. In re Aller, 105 USPQ 233.

For claim 31, Single as modified by Waterer (emphasis on Single) further teaches wherein the center of the proximal opening is positioned higher than the center of the distal opening when the panel is positioned upright (see fig. 2).

For claim 35, see claim 9.

For claim 60, see claim 1.

For claim 62, Single as modified by Waterer further teaches wherein the channels are substantially free from obstructions to radial root growth.

For claim 63, Single as modified by Waterer (emphasis on Waterer) further teaches wherein the plurality of channels include at least eight channels (see fig. 5 of Waterer).

5. **Claims 5-8,12,15-24,29,32-34,36-38,40,41,61** are rejected under 35 U.S.C. 103(a) as being unpatentable over Single as modified by Waterer as applied to claim 1 above, and further in view of Anderson (US 4628634).

For claim 5, Single as modified by Waterer lacks wherein the upwardly facing surface is convex. Anderson teaches a plant container comprising a base 14' having an upwardly convex facing surface 15,18. It would have been obvious to one having ordinary skill in the art at the time the invention was made to employ an upwardly convex facing surface as taught by Anderson on the base of Single as modified by Waterer in order to drain off excess water from the center and to guide the root growth in proper direction.

For claim 6, Single as modified by Waterer and Anderson (emphasis on Anderson) further teaches wherein the convex surface has a shape selected from corical, semispherical, elliptical; and irregular.

For claim 7, Single as modified by Waterer and Anderson lacks wherein the convex surface has a perimeter and a center that is between 1 and 2 inches higher than the perimeter. It would have been obvious to one having ordinary skill in the art at the time the invention was made to have the convex surface of Single as modified by Waterer and Anderson with a perimeter and a center that is between 1 and 2 inches higher than the perimeter, since it has been held that where routine testing and general experimental conditions are present, discovering the optimum or workable ranges until the desired effect is achieved involves only routine skill in the art. In re Aller, 105 USPQ 233.

For claim 8, Single as modified by Waterer and Anderson (emphasis on Anderson) further teaches wherein the convex surface has a shape comprising a central arch 15 and a surrounding semispherical region 16,17 (see fig. 4 of Anderson).

For claims 12 & 15, in addition to the above, Anderson teaches wherein the perimeter of the base has a plurality of projections 17. It would have been obvious to one having ordinary skill in the art at the time the invention was made to employ projections as further taught by Anderson on the perimeter of the base of Single as modified by Waterer and Anderson in order to further secure the base onto the sidewall of the container.



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For claim 16, Single as modified by Waterer and Anderson lacks wherein the proximal openings are larger than the distal opening. It would have been obvious to one having ordinary skill in the art at the time the invention was made to have the proximal openings are larger than the distal opening in the container of Single as modified by Waterer and Anderson , since it has been held that where routine testing and general experimental conditions are present, discovering the optimum or workable ranges until the desired effect is achieved involves only routine skill in the art. In re Aller, 105 USPQ 233.

For claim 17, see claim 6.

For claim 18, see claim 8.

For claim 19, see claim 9.

For claims 20 & 21, Single as modified by Waterer and Anderson further teaches the channels having sidewalls (see Waterer fig. 5) are disposed to direct roots toward the protuberances on the container.

For claim 22, Single as modified by Waterer and Anderson lacks wherein the channels extend into the proximal openings of the protuberances. It would have been obvious to one having ordinary skill in the art at the time the invention was made to have the channels extend into the proximal openings of the protuberances of the container of Single as modified by Waterer and Anderson, depending on how much root guidance is needed.

For claim 23, Single as modified by Waterer and Anderson lacks wherein the channels have a distal end with a deflecting curve. It would have been obvious to one

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having ordinary skill in the art at the time the invention was made to have the channels of Single as modified by Waterer and Anderson with deflecting curve, depending on how much root guidance is needed.

For claim 24, Single as modified by Waterer and Anderson (emphasis on Single) further teaches wherein the individual protuberance is one of the plurality of protuberances that provide the plurality of shoulder.

For claim 29, Single as modified by Waterer and Anderson (emphasis on Anderson) further teaches a central dome 15 directing roots outwardly. See also claim 5.


For claims 32-34,36-38,40-41,61, see the above claims which discuss the same limitations.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Son T. Nguyen whose telephone number is 703-305-0765 (for the month of March). After March, the Examiner can be reached at 571-272-6889. The examiner can normally be reached on Mon-Thu from 10:00am to 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter M. Poon can be reached on 703-308-2574. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Son T. Nguyen  
Primary Examiner  
Art Unit 3643

stn